



APPLICATION

- Use for general purpose
- laid on cable trays/Cable ladder
- Install in duct in ground or direct burial in ground

TESTING VOLTAGE : 2,500 Volts

REFERENCE STANDARD :

TIS 11-2553 PART 101, TABLE 3

CABLE STRUCTURE

CONDUCTOR : Annealed Solid or Stranded Copper
CLASS 1 & 2 Size 1 - 500 mm²

INSULATION : Polyvinyl chloride type PVC/C

SHEATHED : Polyvinyl chloride type PVC/ST4

CORE IDENTIFICATION :

Single core, color as request

CLASSIFICATION

Maximum Conductor Temperature : 70°C

Circuit Voltage does not exceed

450/750 Volts (U₀/U)

450 Volts between Line to Earth (U₀)

750 Volts between Line to Line (U)

Technical Data

TIS 11-2553 PART 101, TABLE 3

Nominal cross sectional area	Conductor type	Number of wires	Diameter (approx.)	Nominal insulation thickness	Nominal outer sheathed thickness	Overall diameter (approx.)	Maximum conductor resistance at 20°C	Minimum insulation resistance at 70°C	Current rating		Cable weight (approx.)	Standard packing
									free air	under ground burial		
mm ²	Class	No.	mm	mm	mm	mm	Ω/km	MΩ-km	A	A	kg/km	m
1	1	1	1.12	1.5	1.8	8.6	18.1	0.0207	-	21	80	100/C
1	2	7	1.29	1.5	1.8	8.8	18.1	0.0200	-	21	80	100/C
1.5	1	1	1.37	1.5	1.8	9.0	12.1	0.0184	-	26	85	100/C
1.5	2	7	1.56	1.5	1.8	9.2	12.1	0.0175	-	26	90	100/C
2.5	1	1	1.74	1.5	1.8	9.4	7.41	0.0157	-	35	100	100/C
2.5	2	7	2.01	1.5	1.8	9.8	7.41	0.0146	-	35	110	100/C
4	1	1	2.21	1.5	1.8	10.0	4.61	0.0135	-	45	120	100/C
4	2	7	2.52	1.5	1.8	10.5	4.61	0.0124	-	45	130	100/C
6	2	7	3.08	1.5	1.8	11.0	3.08	0.0107	-	57	160	100/C
10	2	7	3.99	1.5	1.8	12.0	1.83	0.0088	-	76	210	1,000/D
16	2	7	5.04	1.5	1.8	13.0	1.15	0.0074	-	99	280	1,000/D
25	2	7	6.33	1.5	1.8	14.5	0.727	0.0061	127	128	390	1,000/D
35	2	19	7.47	1.5	1.8	16.0	0.524	0.0053	157	154	490	1,000/D
50	2	19	8.80	1.5	1.8	17.0	0.387	0.0046	191	181	620	1,000/D
70	2	19	10.55	1.5	1.8	19.0	0.268	0.0039	244	223	850	1,000/D
95	2	19	12.45	1.7	1.8	21.5	0.193	0.0038	297	267	1,110	1,000/D
120	2	37	14.00	1.7	1.8	23.0	0.153	0.0034	345	304	1,400	1,000/D
150	2	37	15.54	1.9	2.0	26.0	0.124	0.0034	397	342	1,700	1,000/D
185	2	37	17.43	2.1	2.0	28.0	0.0991	0.0034	453	386	2,100	1,000/D
240	2	61	19.98	2.3	2.2	31.5	0.0754	0.0033	535	448	2,700	1,000/D
300	2	61	22.41	2.5	2.2	35.0	0.0601	0.0032	617	507	3,400	1,000/D
400	2	61	25.29	2.7	2.2	38.5	0.0470	0.0030	741	577	4,300	1,000/D
500	2	61	28.71	3.1	2.4	43.0	0.0366	0.0031	854	654	5,400	1,000/D

Conductor Class 1 : Solid

2 : Stranded

C : Packing in coil

D : Packing in drum

การใช้งาน

- ใช้งานทั่วไป
- วางบนรางเคเบิล
- รอยต่อฝังดินหรือฝังดินโดยตรง

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